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OF WEST CENTRAL OREGON. By ALFRED C. SHELTON. —Univ. Oregon Bull., new series, vol. xiv, no. 4, January, 1917, pp. 1-51, map, 10 halftone figs. on 4 "plates"; our copy received May 16, 1917.

We have observed that the typographical correctness of a published paper is nearly always a pretty good criterion of its worthiness in other respects. If an author has taken pains to do thorough proof-reading, attending to every detail of punctuation and spelling, he is very likely to have exerted a like degree of care in selecting, testing and compiling the facts which make up his paper.

The present contribution gives an immediate impression of careful execution throughout. And close scrutiny of the data presented discloses no serious error as far as we have been able to judge. Field work in Oregon has not as yet been prosecuted very far; at least there have been but few distributional studies. The present one, dealing with the birds of a section of central Oregon extending from the Cascades west through the upper Willamette country to the seacoast, is consequently very welcome.

Mr. Shelton has essayed to divide the area treated into six belts or life-zones, in a general way paralleling the seacoast and mountain axes, as shown by his map. The distribution of the birds is given in terms of these, with good effect we should say. A total of 143 species of land birds is listed, the more notable among which are the Heburn Rosy Finch, Alaska Pine Grosbeak, Alpine Three-toed Woodpecker, and Great Gray Owl. These four species were all found on the high Cascade Mountains, where the Rosy Finch, at least, is practically certain to nest.

The region of Mr. Shelton's work, with the University of Oregon as headquarters, is one of exceptional interest as regards its vertebrate zoology. It is to be hoped that he will find conditions favorable to prosecuting his studies much farther. Incidentally we note from the present contribution that the University of Oregon Department of Zoology is already possessed of some valuable material in the line of rare birds.—J. GRINNELL.

MINUTES OF COOPER CLUB MEETINGS

NORTHERN DIVISION

JULY.—The regular meeting of the Northern Division of the Cooper Ornithological Club was held at the Museum of Vertebrate Zoology on Thursday evening, July 19, 1917, with President Evermann in the chair.

A number of visitors were present, among whom were Mrs. Malcolm P. Anderson, Miss Dodge, Miss Dorothea Harcus, Mr. and Mrs. Kurt Heller, Miss Olive Henderson, Mr. Kibbe, Mrs. Charles H. Lee, Miss Lela Lenfest, Mrs. J. Labarthe, Mr. Martens, Miss Stanley, Dr. Spalding, Mr. and Mrs. Smythe, and Mr. and Mrs. George M. Turner. The members present were Messrs. Anderson, Bishop, Carriger, Evermann, Dixon, De Groot, Heinemann, Labarthe, Lastreto, Squires, Swarth, Wheeler; Mrs. Allen, Miss Atsatt, Mrs. Kibbe, Mrs. Kluegel, Mrs. Newhall, and Mrs. Schlesinger.

The minutes of the May meeting were read and corrected, and the minutes for the April, May and June meetings of the Southern Division were read. The ten proposals for membership recorded in the minutes of the Southern Division were approved, and the name of Miss Edna Billings, Harrington, Washington, was proposed by Mr. Morton E. Peck.

A letter from Mr. E. W. Nelson was read, acknowledging his election to honorary membership in the Club.

The report of the business managers, Messrs. Chambers and Law, was read by the secretary, after which Vice President Squires took the chair and announced the program of the evening: a paper on the bird rookeries at Pyramid Lake by Dr. Evermann. Since all efforts to procure a lantern had failed, Dr. Evermann postponed his paper on the subject announced and gave an account of recent visits to Los Baños, Bird Rock, the Farallon Islands and Pyramid Lake, and raised the question of the protection of fish-eating birds. Mr. Wheeler, who had visited Pyramid Lake in 1898, added some interesting items and joined Dr. Bishop in a protest against over-protection.

Mr. Heinemann offered a motion that the report of the business managers, which had been read earlier in the evening, be accepted and placed on file, and that the Club extend a hearty vote of thanks to Messrs. Chambers and Law. The motion was unanimously carried. Adjourned.—AMELIA S. ALLEN, *Secretary*.

SOUTHERN DIVISION

MAY.—The regular monthly meeting was held at the Museum of History, Science and Art, May 31, 1917, with President Miller in the chair and the following members present: Messrs. Bishop, Chambers, Daggett, Hanna, Holland, Little, Reis, Rich, Robertson, Peyton, Shepardson, Wall, Wyman, and

Mesdames Allen, Atsatt and Husher; Mrs. Hannaford and Mrs. Sanford were visitors.

Minutes of the previous meeting were read and approved, followed by reading of the minutes of the Northern Division. On motion by Mr. Robertson, the Secretary was instructed to cast an electing ballot for the candidates proposed at the April meeting. New names presented from the Northern Division were: Mrs. Bessie W. Kibbe, Berkeley, by H. S. Swarth; Mrs. Edwin T. Blake, Mrs. Arthur Hubbard Cole, and Elizabeth Gooding Witter, all of Berkeley, and all proposed by Mrs. J. T. Allen; J. Harold Evans, Santa Rosa, by H. W. Carriger.

The annual report of the Business Managers was submitted by Mr. Chambers, which document showed a very satisfactory state of affairs. On motion of Mr. Robertson the report was accepted, and a vote of confidence and thanks was tendered Messrs. Law and Chambers for their unselfish interest and labor in behalf of the Club.

Business disposed of, the members inspected a series of skins of lamellirostral swimmers, including one specimen of the Trumpeter Swan which may prove to be the last bird taken of this species now close to extinction. In the general discussion that followed, Mrs. J. T. Allen spoke of bird conditions in and around Berkeley, while Mr. Peyton told of the Condors on the headwaters of the Sespe, where they seem to be increasing in numbers. One member attributed the destruction of the big colonies of breeding Tri-colored Red-wings in Nigger Slough to the activity of the Black-crowned Night Herons, one of which is reported by another observer to have disgorged a young Tri-color when flushed. Still another member accused the Yellow-headed Blackbird of the same act. Adjourned.—L. E. WYMAN, *Secretary*.

JUNE.—The regular monthly meeting of the Southern Division was held at the Museum of History, Science and Art, June 28, 1917. Dr. Miller was in the chair, with the following members in attendance: Messrs. Brown, Chambers, Daggett, Hannaford, Holland, Howell, Jewett, Law, Little, Nokes, Reis, Rich, Rittenhouse, Shepardson and Wyman; Mrs. J. E. Law, and Misses Dodge, Drachman and Zech. Miss Marsh, Mrs. Zech and Mr. Darhanian were visitors.

Minutes of the May meeting were read and approved. On proper motion the Secretary was instructed to cast an electing ballot for those persons whose names were pro-

posed at the previous meeting. Ralph W. Jackson, Cambridge, Maryland, was proposed for membership by Mr. Howell.

A letter from Mr. E. W. Nelson, acknowledging his election to honorary membership, was read, also a letter from Mr. Keppel, County Superintendent of Schools, relative to securing cuts of birds for use in the schools. Mr. Law, as business manager, stated that he would confer with Mr. Keppel on the matter.

Business matters attended to, informal discussion of birds in general followed, in the course of which Mr. Law told of his recent trip to the Fresno district. Dr. Nokes reported having taken a Bullock Oriole in the act of eating the eggs of a Mourning Dove. Several trays of skins of herons and their allies proved interesting to all. Adjourned.—L. E. WYMAN, *Secretary*.

JULY.—Regular monthly meeting of the Southern Division, Cooper Ornithological Club, was held at the Museum of History, Science and Art, July 26, 1917. In the absence of President Miller, Vice President Law occupied the chair. Following members attended: Messrs. Chambers, Colburn, Hannaford, Holland, Law, Little, Reis, Rich, Shepardson, Trenor, Welch, Wood and Wyman; Mrs. Law and Mrs. Leach. Mrs. Wood and Mrs. Walker were visitors.

Minutes of the June meeting were read and approved. On motion by Dr. Rich, seconded by Mr. Shepardson, the Secretary was instructed to cast an electing ballot for Ralph W. Jackson, whose name was presented at the June meeting. Wharton Huber presented the name of Carl Lien, Destruction Island, Astoria, Ore., for membership. Notice of the death of Evan Davis, of Orange, California, was read, and on proper motion the Secretary was instructed to draft resolutions of regret and to forward copy to Mrs. Davis.

There being no other business matters demanding attention, the meeting enjoyed an hour of informal discussion of bird matters generally, and inspection of a large series of skins of shore-birds. Mrs. Leach told of some interesting experiments in the course of which she had induced a pair of Robins, that were nesting near her home, to use as decorations a considerable quantity of brightly colored cloth, by the simple expedient of attaching the strips to pieces of ordinary wrapping twine, which latter the birds considered highly desirable as nest material. Adjourned.—L. E. WYMAN, *Secretary*.